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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
 saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
 now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27 Oct 21 EVENTLINE has been reloaded
NEWS 28 Oct 24 BEILSTEIN adds new search fields
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT
NEWS 32 Nov 25 More calculated properties added to REGISTRY
NEWS 33 Dec 02 TIBKAT will be removed from STN
NEWS 34 Dec 04 CSA files on STN
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36 Dec 17 TOXCENTER enhanced with additional content
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 38 Dec 30 ISMEC no longer available
NEWS 39 Jan 21 NUTRACEUT offering one free connect hour in February 2003
NEWS 40 Jan 21 PHARMAML offering one free connect hour in February 2003
NEWS 41 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
 ENERGY, INSPEC
NEWS 42 Feb 13 CANCERLIT is no longer being updated
NEWS 43 Feb 24 METADEX enhancements
NEWS 44 Feb 24 PCTGEN now available on STN
NEWS 45 Feb 24 TEMA now available on STN
NEWS 46 Feb 26 NTIS now allows simultaneous left and right truncation

Replies to Regs

NEWS 47 Feb 26 PCTFULL now contains images
NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 50 Mar 20 EVENTLINE will be removed from STN
NEWS 51 Mar 24 PATDPAFULL now available on STN
NEWS 52 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CIS Web Site Help Site (includes links to other sites)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 14:38:51 ON 31 MAR 2003

FILE 'REGISTRY' ENTERED AT 14:38:57 ON 31 MAR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 MAR 2003 HIGHEST RN 500991-80-0
DICTIONARY FILE UPDATES: 30 MAR 2003 HIGHEST RN 500991-80-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

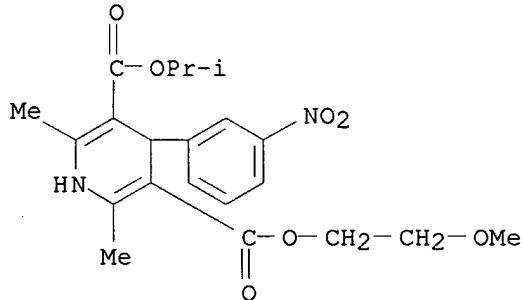
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s nimodipine
L1 5 NIMODIPINE

=> d 11 1

L1 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2003 ACS
RN 193766-06-2 REGISTRY
CN 3,5-Pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-
, 2-methoxyethyl 1-methylethyl ester, radical ion(1-) (9CI) (CA INDEX
NAME)
OTHER NAMES:
CN Nimodipine radical ion(1-)
MF C21 H26 N2 O7
CI RIS
SR CA
LC STN Files: CA, CAPLUS



3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s feldipine
L2 0 FELDIPINE

=> s feldipine
L3 0 FELDIPINE

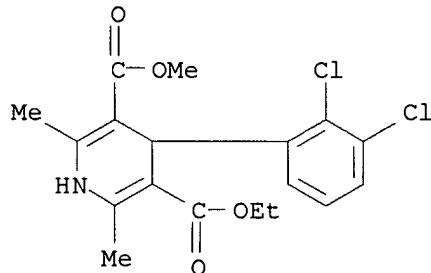
=> s plendil
L4 1 PLENDIL

=> d 14 1

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 72509-76-3 REGISTRY
CN 3,5-Pyridinedicarboxylic acid, 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-
dimethyl-, ethyl methyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:
CN (.-.)-Felodipine
CN (RS)-Felodipine
CN Agon
CN dl-Felodipine
CN Feloday
CN Felodipine
CN Flodil
CN H 154/82
CN Hydac
CN Munobal
CN Plendil

CN Prevex
 CN Splendil
 FS 3D CONCORD
 DR 86189-69-7
 MF C18 H19 Cl2 N O4
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM,
 DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IFICDB,
 IFIUDB, IPA, MEDLINE, MRCK*, PHAR, PHARMASEARCH, PROMT, RTECS*,
 SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATEFULL
 (*File contains numerically searchable property data)
 Other Sources: WHO



5141356

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

877 REFERENCES IN FILE CA (1962 TO DATE)
 21 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 879 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s gabatril
 L5 1 GABATRIL

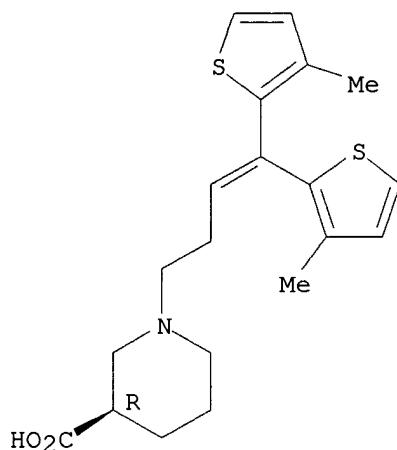
 => d 15

 L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
 RN 115103-54-3 REGISTRY
 CN 3-Piperidinocarboxylic acid, 1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]-,
 (3R)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 3-Piperidinocarboxylic acid, 1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]-,
 (R)-
 OTHER NAMES:
 CN (R)-Tiagabine
 CN **Gabatril**
 CN NO 050328
 CN NO 328
 CN TGB
 CN Tiagabine
 FS STEREOSEARCH
 MF C20 H25 N O2 S2
 CI COM
 SR CA
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CEN, CIN, DDFU,

DIOGENES, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE,
MRCK*, PHAR, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2,
USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.



514 | 326

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

206 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
208 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s tiagabine

L6 4 TIAGABINE

=> d 16 1

L6 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS

RN 145821-59-6 REGISTRY

CN 3-Piperidinocarboxylic acid, 1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]-, hydrochloride, (3R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Piperidinocarboxylic acid, 1-[4,4-bis(3-methyl-2-thienyl)-3-butenyl]-, hydrochloride, (R)-

OTHER NAMES:

CN Abbott 70569 hydrochloride

CN Abbott 70569.1

CN ABT 569

CN Gabitril

CN NNC 05-0328

CN NO 05-0328

CN Tiabex

CN **Tiagabine hydrochloride**

FS STEREOSEARCH

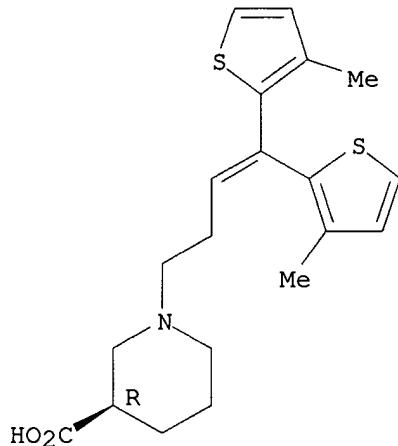
MF C20 H25 N O2 S2 . Cl H

SR CA

LC STN Files: ADISNEWS, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, CIN, DIOGENES, DRUGPAT, DRUGUPDATES, IPA, MRCK*, PHARMASEARCH, PROMT, SYNTHLINE, TOXCENTER, USAN, USPATFULL

(*File contains numerically searchable property data)
CRN (115103-54-3)

Absolute stereochemistry.



514/32^b

● HCl

26 REFERENCES IN FILE CA (1962 TO DATE)
26 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s benafryl
L7 0 BENAFRYL

=> s benadryl
L8 3 BENADRYL

=> d 18 1

L8 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS
RN 123633-86-3 REGISTRY
CN Benzenemethanol, .alpha.-[1-(methylamino)ethyl]-, hydrochloride,
[S-(R*,R*)]-, mixt. with 2-(diphenylmethoxy)-N,N-dimethylethanamine
hydrochloride (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN Ethanamine, 2-(diphenylmethoxy)-N,N-dimethyl-, hydrochloride, mixt. contg.
(9CI)

OTHER NAMES:

CN **Benadryl D**
FS STEREOSEARCH

MF C17 H21 N O . C10 H15 N O . 2 Cl H

CI MXS

SR CA

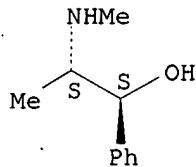
LC STN Files: BIOSIS, CA, CAPLUS, USPATFULL

CM 1

CRN 345-78-8 (90-82-4)

CMF C10 H15 N O . Cl H

Absolute stereochemistry. Rotation (+).



HCl

CM 2

CRN 147-24-0 (58-73-1)
CMF C17 H21 N O . Cl H

Ph₂CH—O—CH₂—CH₂—NMe₂

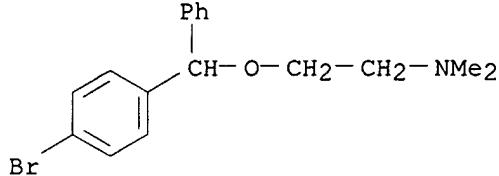
● HCl

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d 18 3

L8 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS
RN 118-23-0 REGISTRY
CN Ethanamine, 2-[(4-bromophenyl)phenylmethoxy]-N,N-dimethyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethylamine, 2-[(p-bromo-.alpha.-phenylbenzyl)oxy]-N,N-dimethyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN .beta.- (p-Bromobenzhydryloxy)ethyldimethylamine
CN 2-(p-Bromo-.alpha.-phenylbenzyloxy)-N,N-dimethylethylamine
CN 4-Bromodiphenhydramine
CN Ambodryl
CN Bromanautine
CN Bromazin base
CN Bromazine
CN Bromdiphenhydramine
CN **Bromo-Benadryl**
CN **Bromo-Benadryl base**
CN Bromodiphenhydramine
CN Deserol
CN Deserol base
CN Histabromamine
CN **Neo-Benadryl**
FS 3D CONCORD
MF C17 H20 Br N O
CI COM
LC STN Files: ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CHEMLIST, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, MEDLINE, MRCK*,

SPECINFO, TOXCENTER, USAN, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



514/651

A21 514/49

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

121 REFERENCES IN FILE CA (1962 TO DATE)
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
123 REFERENCES IN FILE CAPLUS (1962 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

| => file caplus | | SINCE FILE | TOTAL |
|----------------------|--|------------|---------|
| COST IN U.S. DOLLARS | | ENTRY | SESSION |
| FULL ESTIMATED COST | | 46.24 | 46.45 |

FILE 'CAPLUS' ENTERED AT 14:42:26 ON 31 MAR 2003
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FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s calcium channel blocker
623169 CALCIUM
202960 CHANNEL
31549 BLOCKER
L9 3826 CALCIUM CHANNEL BLOCKER
(CALCIUM(W) CHANNEL(W) BLOCKER)

=> s calcium channel
623169 CALCIUM
202960 CHANNEL
L10 22339 CALCIUM CHANNEL

(CALCIUM(W) CHANNEL)

=> s gaba reuptake inhibitor
32906 GABA
5975 REUPTAKE
407727 INHIBITOR
L11 17 GABA REUPTAKE INHIBITOR
(GABA(W) REUPTAKE(W) INHIBITOR)

=> azt
AZT IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s azt
L12 3012 AZT

=> s l12 and fungal
37220 FUNGAL
L13 12 L12 AND FUNGAL

=> d l13 1-12

L13 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS
AN 2002:832613 CAPLUS
DN 137:333119
TI 3-Aminopyridine-2-carboxyaldehyde thiosemicarbazones and methods using
them for treating viral and **fungal** infections
IN King, Ivan C.; Doyle, Terrence W.; Sznol, Mario; Sartorelli, Alan C.;
Cheng, Yung-Chi
PA Vion Pharmaceuticals, Inc., USA; Yale University
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
----- ----- ----- -----
PI WO 2002085358 A2 20021031 WO 2002-US12358 20020418
WO 2002085358 A3 20021219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2002188011 A1 20021212 US 2002-126050 20020418
PRAI US 2001-285559P P 20010420
OS MARPAT 137:333119

L13 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS
AN 2002:51191 CAPLUS
DN 136:123627
TI Device and method for intravaginal or transvaginal treatment of
fungal, bacterial, viral or parasitic infections
IN D'Augustine, Merida A.; Liu, James H.; Harrison, Donald C.
PA UMD, Inc., USA
SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|--|----------|-----------------|----------|
| PI | WO 2002003896 | A1 | 20020117 | WO 2001-US41128 | 20010625 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | AU 2001081287 | A5 | 20020121 | AU 2001-81287 | 20010625 |
| PRAI | US 2000-613441 | A | 20000711 | | |
| | WO 2001-US41128 | W | 20010625 | | |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 2001:499858 CAPLUS

DN 135:87152

TI A method and pharmaceutical composition using (5-aryl-1,2,4-thiadiazol)-3-yl thiourea derivatives or (5-aryl-1,2,4-thiadiazol)-3-yl urea derivatives as antiviral, antineoplastic, and antifungal agents

IN Camden, James Berger

PA The Procter & Gamble Company, USA

SO U.S., 13 pp., Cont.-in-part of U.S. Ser. No. 281,896, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|-----------|----------|-----------------|----------|
| PI | US 6258831 | B1 | 20010710 | US 2000-535172 | 20000327 |
| | US 2001031773 | A1 | 20011018 | US 2001-812094 | 20010319 |
| | US 6410575 | B1 | 20020625 | | |
| PRAI | US 1999-281896 | B2 | 19990331 | | |
| | US 2000-535172 | A3 | 20000327 | | |
| OS | MARPAT | 135:87152 | | | |

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 2001:149050 CAPLUS

DN 134:188184

TI 2-thienyl-imidazolo[4,5]pyridine compounds for treatment of viral and **fungal** infections and Kaposi's sarcoma

IN Camden, James Berger; Gardner, Joseph Herman; Stanton, David Thomas

PA The Procter & Gamble Company, USA

SO U.S., 16 pp., Cont.-in-part of U.S. Ser. No. 281,892, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 6194430 | B1 | 20010227 | US 2000-538006 | 20000329 |
| PRAI | US 1999-281892 | B2 | 19990331 | | |

OS MARPAT 134:188184

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS
AN 2000:911409 CAPLUS
DN 134:69876
TI Subcellular distribution of uncoupling proteins as a marker of cell proliferation capacity and its manipulation in tumor therapy
IN Newell, Martha K.
PA University of Vermont and State Agricultural College, USA
SO PCT Int. Appl., 106 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2000078941 | A2 | 20001228 | WO 2000-US17245 | 20000622 |
| WO 2000078941 | A3 | 20010222 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1194168 | A2 | 20020410 | EP 2000-943076 | 20000622 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | | |
| JP 2003503319 | T2 | 20030128 | JP 2001-505684 | 20000622 |
| PRAI US 1999-140574P | P | 19990623 | | |
| WO 2000-US17245 | W | 20000622 | | |

L13 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 2000:706974 CAPLUS
DN 133:286468
TI Viral treatment using 2-thienyl-imidazolo[4,5]pyridine derivatives
IN Camden, James Berger; Gardner, Joseph Herman; Stanton, David Thomas
PA The Procter & Gamble Company, USA
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2000057870 | A2 | 20001005 | WO 2000-US8419 | 20000329 |
| WO 2000057870 | A3 | 20010308 | | |
| W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| EP 1165077 | A2 | 20020102 | EP 2000-919868 | 20000329 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | | |

IE, SI, LT, LV, FI, RO
 JP 2002540151 T2 20021126 JP 2000-607621 20000329
 PRAI US 1999-281892 A 19990331
 WO 2000-US8419 W 20000329
 OS MARPAT 133:286468

L13 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1998:764282 CAPLUS

DN 130:20546

TI HIV and cancer treatment

IN Camden, James Berger

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 9851303 | A1 | 19981119 | WO 1997-US21564 | 19971126 |
| | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG | | | | |
| | ZA 9709095 | A | 19980511 | ZA 1997-9095 | 19971010 |
| | AU 9874029 | A1 | 19981208 | AU 1998-74029 | 19971126 |
| | EP 954309 | A1 | 19991110 | EP 1997-949599 | 19971126 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI | | | | |
| | BR 9712981 | A | 20000418 | BR 1997-12981 | 19971126 |
| | CN 1254281 | A | 20000524 | CN 1997-182189 | 19971126 |
| | JP 2000510156 | T2 | 20000808 | JP 1998-522997 | 19971126 |
| | NO 9901701 | A | 20000117 | NO 1999-1701 | 19990409 |
| | KR 2000049064 | A | 20000725 | KR 1999-703137 | 19990410 |
| PRAI | US 1997-46726P | P | 19970516 | | |
| | WO 1997-US21564 | W | 19971126 | | |

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1998:681024 CAPLUS

DN 130:60568

TI Pharmacokinetics and tissue distribution of (.-.-)-3'-azido-2',3'-dideoxy-5'-O-(2-bromomyristoyl)thymidine, a prodrug of 3'-azido-2',3'-dideoxythymidine (**AZT**) in mice

AU Parang, Keykavous; Wiebe, Leonard I.; Knaus, Edward E.

CS Faculty of Pharmacy and Pharmaceutical Sciences, University of Alberta, Edmonton, AB, T6G 2N8, Can.

SO Journal of Pharmacy and Pharmacology (1998), 50(9), 989-996

CODEN: JPPMAB; ISSN: 0022-3573

PB Royal Pharmaceutical Society of Great Britain

DT Journal

LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1998:180782 CAPLUS

DN 128:256389

TI Immune direction therapy
IN Prendergast, Patrick T.
PA Prendergast, Patrick T., Ire.
SO PCT Int. Appl., 83 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 2

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|--|----------|-----------------|----------|
| PI | WO 9810787 | A2 | 19980319 | WO 1997-IB1086 | 19970910 |
| | WO 9810787 | A3 | 19980730 | | |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG,
US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG | | | |
| | AU 9741320 | A1 | 19980402 | AU 1997-41320 | 19970910 |
| | EP 929568 | A2 | 19990721 | EP 1997-939105 | 19970910 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI | | | |
| | CN 1230195 | A | 19990929 | CN 1997-197816 | 19970910 |
| | JP 2001503613 | T2 | 20010321 | JP 1998-513435 | 19970910 |
| | NZ 335039 | A | 20010427 | NZ 1997-335039 | 19970910 |
| | SE 9900812 | A | 19990308 | SE 1999-812 | 19990308 |
| PRAI | US 1996-25180P | P | 19960911 | | |
| | WO 1997-IB1086 | W | 19970910 | | |

L13 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS

AN 1993:440940 CAPLUS
DN 119:40940

TI Uses of acemannan or other aloe products in the treatment of diseases
requiring intervention of the immune system for cure
IN McAnalley, Bill H.; Carpenter, Robert H.; McDaniel, Harley R.
PA Carrington Laboratories, Inc., USA
SO PCT Int. Appl., 115 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|---|----------|-----------------|----------|
| PI | WO 9308810 | A1 | 19930513 | WO 1991-US8204 | 19911105 |
| | W: | AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR,
LK, LU, MC, MG, MW, NL, NO, PL, RO, SD, SE, SU | | | |
| | RW: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, ML, MR, SN, TD, TG | | | |
| | AU 9190831 | A1 | 19930607 | AU 1991-90831 | 19911105 |
| | EP 611304 | A1 | 19940824 | EP 1992-900586 | 19911105 |
| | EP 611304 | B1 | 19990915 | | |
| | R: | DE, FR, GB, IT | | | |
| | EP 965346 | A2 | 19991222 | EP 1999-200519 | 19911105 |
| | EP 965346 | A3 | 20000126 | | |
| | R: | DE, FR, GB, IT | | | |
| PRAI | EP 1992-900586 | | 19911105 | | |
| | WO 1991-US8204 | | 19911105 | | |

L13 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS
AN 1990:546775 CAPLUS

DN 113:146775
TI Interference in endotoxin and **fungal** polysaccharide assays from
blood products and antimicrobial agents
AU Ikemura, Katsumi; Tanaka, Hiroshi; Yoshioka, Toshiharu; Sugimoto, Tsuyoshi
CS Med. Sch., Osaka Univ., Osaka, 553, Japan
SO Rinsho Byori (1990), 38(1), 87-92
CODEN: RBYOAI; ISSN: 0047-1860
DT Journal
LA Japanese

L13 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS
AN 1987:135100 CAPLUS
DN 106:135100
TI Antibacterial activity and mechanism of action of 3'-azido-3'-
deoxythymidine (BW A509U)
AU Elwell, Lynn P.; Ferone, Robert; Freeman, G. Andrew; Fyfe, James A.; Hill,
John A.; Ray, Paul H.; Richards, Cynthia A.; Singer, Sara C.; Knick,
Victoria B.; et al.
CS Dep. Microbiol., Wellcome Res. Lab., Research Triangle Park, NC, 27709,
USA
SO Antimicrobial Agents and Chemotherapy (1987), 31(2), 274-80
CODEN: AMACQ; ISSN: 0066-4804
DT Journal
LA English

FILE 'REGISTRY' ENTERED AT 14:48:45 ON 31 MAR 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 MAR 2003 HIGHEST RN 500991-80-0
DICTIONARY FILE UPDATES: 30 MAR 2003 HIGHEST RN 500991-80-0

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s azt
L14 6 AZT

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FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> d hi
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y
```

'HI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

| | |
|--------|---|
| REG | - RN |
| SAM | - Index Name, MF, and structure - no RN |
| FIDE | - All substance data, except sequence data |
| IDE | - FIDE, but only 50 names |
| SQIDE | - IDE, plus sequence data |
| SQIDE3 | - Same as SQIDE, but 3-letter amino acid codes are used |
| SQD | - Protein sequence data, includes RN |
| SQD3 | - Same as SQD, but 3-letter amino acid codes are used |
| SQN | - Protein sequence name information, includes RN |
| CALC | - Table of calculated properties |
| EPROP | - Table of experimental properties |
| PROP | - EPROP and CALC |

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

| | |
|------|--|
| ABS | -- Abstract |
| APPS | -- Application and Priority Information |
| BIB | -- CA Accession Number, plus Bibliographic Data |
| CAN | -- CA Accession Number |
| CBIB | -- CA Accession Number, plus Bibliographic Data (compressed) |
| IND | -- Index Data |
| IPC | -- International Patent Classification |
| PATS | -- PI, SO |
| STD | -- BIB, IPC, and NCL |

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):file caplus
'FILE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'
'CAPLUS' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels
IBIB -- BIB, indented, with text labels

ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):bib
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN
SAM - Index Name, MF, and structure - no RN
FIDE - All substance data, except sequence data
IDE - FIDE, but only 50 names
SQIDE - IDE, plus sequence data
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used
SQD - Protein sequence data, includes RN
SQD3 - Same as SQD, but 3-letter amino acid codes are used
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties
EPROP - Table of experimental properties
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract
APPS -- Application and Priority Information
BIB -- CA Accession Number, plus Bibliographic Data
CAN -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND -- Index Data
IPC -- International Patent Classification
PATS -- PI, SO
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

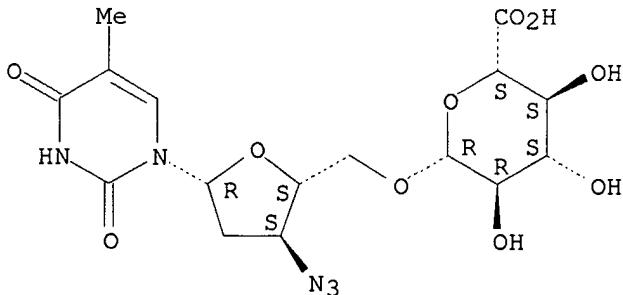
HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.

ENTER DISPLAY FORMAT (IDE):ide

L14 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS
RN 117675-21-5 REGISTRY
CN Thymidine, 3'-azido-3'-deoxy-5'-O-.beta.-D-glucopyranuronosyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3'-Deoxy-3'-azidothymidine-5'-.beta.-glucuronide
CN **AZT 5'-glucuronide**
CN GAZT
CN **Glo-azT**
CN Retrovir glucuronide
CN Zidovudine 5'-glucuronide
CN Zidovudine glucuronide
FS STEREOSEARCH
DR 126320-81-8, 129200-08-4, 146367-97-7
MF C16 H21 N5 O10
CI COM
SR CA
LC STN Files: ADISNEWS, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, IPA, MEDLINE, PROMT, TOXCENTER

Absolute stereochemistry.



69 REFERENCES IN FILE CA (1962 TO DATE)
69 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|------------------|---------------|
| 0.42 | 87.89 |

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FILE COVERS 1907 - 31 Mar 2003 VOL 138 ISS 14
FILE LAST UPDATED: 30 Mar 2003 (20030330/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 14:38:51 ON 31 MAR 2003)

FILE 'REGISTRY' ENTERED AT 14:38:57 ON 31 MAR 2003

L1 5 S NIMODIPINE
L2 0 S FELDIPINE
L3 0 S FELDIPINE
L4 1 S PLENDIL
L5 1 S GABATRIL
L6 4 S TIAGABINE
L7 0 S BENAFRYL
L8 3 S BENADRYL

FILE 'CAPLUS' ENTERED AT 14:42:26 ON 31 MAR 2003

L9 3826 S CALCIUM CHANNEL BLOCKER
L10 22339 S CALCIUM CHANNEL
L11 17 S GABA REUPTAKE INHIBITOR
L12 3012 S AZT
L13 12 S L12 AND FUNGAL

FILE 'REGISTRY' ENTERED AT 14:48:45 ON 31 MAR 2003

L14 6 S AZT

FILE 'CAPLUS' ENTERED AT 14:48:57 ON 31 MAR 2003

FILE 'REGISTRY' ENTERED AT 14:49:30 ON 31 MAR 2003

FILE 'CAPLUS' ENTERED AT 14:49:48 ON 31 MAR 2003

FILE 'CAPLUS' ENTERED AT 14:49:56 ON 31 MAR 2003

=> gaba

GABA IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).

=> s gaba

L15 32906 GABA

=> e immune

E1 1 IMMUNDIFFUSION/BI
E2 1 IMMUNDYSREGULATORY/BI
E3 146714 --> IMMUNE/BI
E4 1 IMMUNEACTIVE/BI
E5 1 IMMUNEADJUVANT/BI
E6 1 IMMUNEAGING/BI
E7 1 IMMUNEANTIGEN/BI
E8 1 IMMUNEASSAY/BI
E9 1 IMMUNEASSOCD/BI
E10 1 IMMUNEBOIDES/BI
E11 1 IMMUNECARRIER/BI
E12 2 IMMUNECOMPETENT/BI

=> s e3

L16 146714 IMMUNE/BI

=> s l14 and l10

4502 L14

L17 1 L14 AND L10

=> d l17

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1993:116173 CAPLUS
DN 118:116173
TI Pharmacokinetic evaluation of drug interactions with antihuman immunodeficiency virus drugs. VI. Effect of the **calcium channel** blocker nimodipine on zidovudine kinetics in monkeys
AU Gallo, James M.; Swagler, Anne R.; Mehta, Mehul; Qian, Mingxin
CS Coll. Pharm., Univ. Georgia, Athens, GA, USA
SO Journal of Pharmacology and Experimental Therapeutics (1993), 264(1), 315-20
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English

=> d l17 1 all

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1993:116173 CAPLUS
DN 118:116173
TI Pharmacokinetic evaluation of drug interactions with antihuman immunodeficiency virus drugs. VI. Effect of the **calcium channel** blocker nimodipine on zidovudine kinetics in monkeys
AU Gallo, James M.; Swagler, Anne R.; Mehta, Mehul; Qian, Mingxin
CS Coll. Pharm., Univ. Georgia, Athens, GA, USA
SO Journal of Pharmacology and Experimental Therapeutics (1993), 264(1), 315-20
CODEN: JPETAB; ISSN: 0022-3565
DT Journal
LA English
CC 1-2 (Pharmacology)
AB Coadministration of zidovudine (AZT) and nimodipine, a **calcium-channel** blocker, is a potential therapeutic regimen in acquired immunodeficiency syndrome patients based on the report that nimodipine can prevent human immunodeficiency virus-induced neurotoxicity in vitro. An evaluation of the pharmacokinetics of AZT and its glucuronide metabolite 3'-azido-3'-deoxy-5'-O-.beta.-D-glucopyranuroylthymidine (GAZT) in the

presence and absence of nimodipine in monkeys was undertaken. After 20 mg/kg of AZT given i.v. in the presence and absence of nimodipine, nimodipine caused a significant redn. (41%) in the vol. of distribution of AZT at steady state and a 22% decrease in total clearance. The disposition of GAZT was also influenced by nimodipine, causing a large increase in its area under the plasma concn.-time curve. Renal excretion data for AZT and GAZT, although inconclusive, suggested nimodipine caused a decrease in the renal clearance of AZT with a minimal change in the renal clearance of GAZT. The combined effects of nimodipine on the clearance of AZT and vol. of distribution at steady state produced no change in its elimination half-life.

ST nimodipine zidovudine pharmacokinetics interactions
IT Acquired immune deficiency syndrome
 (therapy of, nimodipine interaction with zidovudine pharmacokinetics in relation to)
IT Kidney, metabolism
 (zidovudine excretion by, nimodipine effect on)
IT Drug interactions
 (pharmacokinetic, of nimodipine with zidovudine, AIDS therapy in relation to)
IT 66085-59-4, Nimodipine
RL: PRP (Properties)
 (interaction of, with zidovudine pharmacokinetics, AIDS therapy in relation to)
IT 30516-87-1, Zidovudine 117675-21-5
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
 (pharmacokinetics of, nimodipine interaction with, AIDS therapy in relation to)

=> d his

(FILE 'HOME' ENTERED AT 14:38:51 ON 31 MAR 2003)

FILE 'REGISTRY' ENTERED AT 14:38:57 ON 31 MAR 2003

L1 5 S NIMODIPINE
L2 0 S FELDIPINE
L3 0 S FELDIPINE
L4 1 S PLENDIL
L5 1 S GABATRIL
L6 4 S TIAGABINE
L7 0 S BENAFRYL
L8 3 S BENADRYL

FILE 'CAPLUS' ENTERED AT 14:42:26 ON 31 MAR 2003

L9 3826 S CALCIUM CHANNEL BLOCKER
L10 22339 S CALCIUM CHANNEL
L11 17 S GABA REUPTAKE INHIBITOR
L12 3012 S AZT
L13 12 S L12 AND FUNGAL

FILE 'REGISTRY' ENTERED AT 14:48:45 ON 31 MAR 2003

L14 6 S AZT

FILE 'CAPLUS' ENTERED AT 14:48:57 ON 31 MAR 2003

FILE 'REGISTRY' ENTERED AT 14:49:30 ON 31 MAR 2003

FILE 'CAPLUS' ENTERED AT 14:49:48 ON 31 MAR 2003

FILE 'CAPLUS' ENTERED AT 14:49:56 ON 31 MAR 2003

L15 32906 S GABA
 E IMMUNE
L16 146714 S E3
L17 1 S L14 AND L10

=> s 15
L18 208 L5

=> s l18 and hiv
 48504 HIV
L19 0 L18 AND HIV

=> s l18 and viral
 117518 VIRAL
L20 0 L18 AND VIRAL

=> s l15 and hiv
 48504 HIV
L21 10 L15 AND HIV